

APR 09 2001

Please type a plus sign (+) +

1449/PTO

PATENT & TRADEMARK OFFICE

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Department of Commerce

Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Application No. : 09/614,286

Filing Date : July 12, 2000

First Named Inventor : Hiroshi Tanabe

Group Art Unit : 2812

Examiner Name :

Attorney Docket No. : NECK 17.552

U. S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
TJS		4,724,219		M. Ridinger	02/09/1988	
TJS		5,477,058		T. Sato	12/19/1995	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
TJS		2,133,618 A		GB	General Electric	07/25/1984	
TJS		0,178,447 A2		EPA	Fujitsu Limited	04/23/1986	
TJS		57-148351		JP	Tokyo Shibaura	09/13/1982	
TJS		63-292619		JP	Fujitsu Ltd.	11/29/1988	
TJS		2-102517		JP		04/16/1990	
TJS		5-142745		JP	Hitachi Ltd.	06/11/1993	
TJS		6-320292		JP	Nippon Steel Corp.	11/22/1994	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

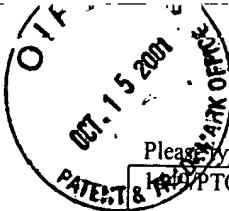
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached <input type="checkbox"/>

Examiner Signature	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



711

Please type a plus sign (+) → +

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

100 PTO

U.S. Department of Commerce
Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of

Application No.	: 09/614,286
Filing Date	: July 12, 2000
First Named Inventor	: H. TANABE
Group Art Unit	: 2813
Examiner Name	: Timothy J. Sutton
Attorney Docket No.	: NECK 17.552(100806-17282)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		1 067 593 A2		EP	NEC CORP & SUMITOMO HEAVY INDUSTRIES CO., LTD.	01/10/2001	OCT 19 2001 RECEIVED TE 2890 MAIL ROOM

Examiner Signature	<i>Timothy Sutton</i>	Date Considered	10/29/01
--------------------	-----------------------	-----------------	----------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) → +

1449/PTO

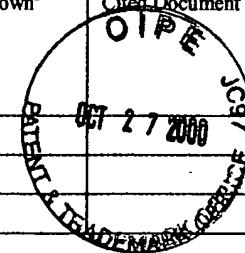
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

U.S. Department of Commerce
Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANTSheet 1 of 2

Application No.	: 09/614,286
Filing Date	: July 12, 2000
First Named Inventor	: Hiroshi Tanabe
Group Art Unit	: 2812
Examiner Name	:
Attorney Docket No.	: NECK 17.552

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear



FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
TJS	5-90191	JP				04/09/1993	—
TJS	5-182923	JP				07/23/1993	—
TJS	7-99321	JP				04/11/1995	—
TJS	7-118443	JP				12/18/1995	—
TJS	9-7911	JP				01/10/1997	—
TJS	9-148246	JP				06/06/1997	—
TJS	9-17729	JP				01/17/1997	—
TJS	10-116989	JP				05/06/1998	—
TJS	10-149984	JP				06/02/1998	—
TJS	11-17185	JP				01/22/1999	—

RECEIVED
MAY - 2 2000
TC 2000 MAIL ROOM

Please type a plus sign (+) → +
1449/PTO

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE
U.S. Department of Commerce
Patent and Trademark Office
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 2 of 2

Application No.	: 09/614,286
Filing Date	: July 12, 2000
First Named Inventor	: Hiroshi Tanabe
Group Art Unit	: 2812
Examiner Name	:
Attorney Docket No.	: NECK 17.552

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached ²
OIPE	JCT	MRS. BULLETIN-MARCH 1996, "Crystalline Si Films for Integrated Active-Matrix Liquid-Crystal Displays, James S. Im et al, pages 39-48.	—
OCT 27 2000 TJS		Appl. Phys. Lett. 69 (19), November 4, 1996, American Institute of Physics, "Sequential lateral solidification of thin silicon films on SiO ₂ ".	—
TJS		Appl. Phys. Lett. 70 (25), June 23, 1997, American Institute of Physics, "Single Crystal Si films for thin-film transistor devices".	—
TJS		Jpn. J. Appl. Phys. Vol. 34 (1995) pp. 1759-1764 Part 1, No. 4A, April 1995, "Effects of Light Pulse Duration on Excimer-Laser Crystallization Characteristics of Silicon Thin Films".	—
TJS		AM-LCD 97, Digest of Technical Papers 1997 Workshop, September 11-12, 1997, "Improvement of structural and electrical properties in low-temperature gate oxides for poly-Si TFTs by controlling O ₂ /SiH ₄ ratios.	—
TJS		NEC Corporation 1994, "Excimer Laser Crystallization of Amorphous Silicon Films", Vol. 35, No. 3, pp. 254-260.	—

Examiner Signature	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
JULY 2 2001
U.S. MAIL ROOM